DEC STD 092-2 FINISH AND COLOR STANDARD – FINISH MATERIAL STANDARD FOR SUPPLIERS

DOCUMENT IDENTIFIER: A-DS-EL00092-02-0 Rev H, 28-Aug-1989

ABSTRACT: This standard defines the procedures to be followed, and the requirements to be met, by finish material suppliers to Digital Equipment Corporation.

APPLICABILITY: This standard is mandatory for all organizations within Digital Equipment Corporation that produce or procure materials requiring finishing or finished surfaces. This document may be provided to qualified vendors.

STATUS: APPROVED 28-Aug-1989; type $VTX SMC for expiration date.

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APPROVAL: This document has been reviewed and recommended for approval by the General Review group for its category.

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1 INTRODUCTION

1.1 PURPOSE

The purpose of this section of DEC STD 092 is to define the requirements material suppliers must meet to be qualified to provide materials for use in the finishes of Digital products.

1.2 SCOPE

This standard covers material requirements, material tests, shipping requirements, and procedures for handling samples and test panels.

1.3 RESPONSIBILITIES

1.3.1 Material Supplier

The material supplier shall be responsible for:

- Providing test panels and material samples to Digital, as required in this standard
- Providing Material Safety Data Sheets, when applicable
- Supplying material that meets the requirements of this standard

1.3.2 Digital Materials Research Lab

The Digital Materials Research Lab provides the supplier with the standard color and texture panel to be used to match the finish desired by Digital, as applicable. These panels shall be provided only with Digital approval.

The Lab shall receive and perform acceptance testing on the panels and material sample supplied by the supplier.

Digital shall notify the supplier of acceptance or rejection of the material or finish.

2 REQUIREMENTS

2.1 SUPPLIER APPROVAL

To be qualified by Digital, a supplier must first contact Digital Purchasing and arrange for the submittal of test panels and samples.

To be qualified to provide material to a DEC STD 092 specification, the supplier must meet the requirements of this standard.

2.2 NEW MATERIAL APPROVAL

2.2.1 Paints

Before a new paint material is approved by Digital, the supplier shall submit for evaluation a wet sample and five panels coated with the material being evaluated. The panels shall be made of Cold Rolled Steel (CRS), Bonderite 1000, aluminum, or plastic, whichever is requested by Digital. The sample and panels shall be sent with any related data or documentation to the Digital Materials Research Lab in Maynard for testing to environmental, physical, and appearance quality criteria.

CRS, aluminum, and plastic panels shall be pretreated as per the applicable Digital specification.

2.2.2 Other Coatings

Before a new material is approved by Digital, the supplier shall submit a minimum of five panels coated with representative finish and substrate materials for evaluation. The panels shall be sent with any related data and documentation to Digital for testing to environmental, physical, and appearance quality criteria.

2.3 REQUIREMENTS FOR EVALUATION OF SAMPLES

Wet samples or panels coated with the material, whether submitted for new material approval per subhead 2.2 or batch (lot) approval per subhead 2.4, shall be capable of meeting the requirements defined in the following paragraphs, *DEC STD 092-3 Finish and Color Standard—Finish Material Test Requirements*, and applicable finish specifications.

2.3.1 Coating Compatibility

2.3.1.1 Touch-up

For paints, the finish shall accept touch-up with a suitable air-dry touch-up enamel and/or lacquer of matching color. For all other coatings, touch-up is unacceptable, unless otherwise indicated on part drawings or applicable finish specifications.

2.3.1.2 Screen/Pad Marking Compatibility

Marking with screen or pad printing materials on the cured surface shall have good adhesion.

2.3.1.3 Decal Compatibility

Decals applied to the cured surface shall have good adhesion.

2.4 BATCH (LOT) APPROVAL—LIQUID/DECORATIVE PAINTS ONLY

2.4.1 Sample Submittal Preparation

Prior to shipping a batch (lot) of production material to Digital or an approved finishing vendor, the supplier shall prepare a wet and dry sample representing the batch (lot). The supplier shall submit these samples to the Digital Materials Research Lab in Maynard.

2.4.2 Information Needed with Submitted Batch (Lot) Control Panels and Material Sample

With the set of batch (lot) control panels and material sample, the following information is required.

- Digital Standard Finish specification number
- Indicate if air dry or bake finish.
- Identify the substrate material and surface preparation.
- Material manufacturer's name
- Manufacturer's material code number

- Manufacturer's batch (lot) number
- Quantity of material in batch (lot)
- Baking temperature and time in oven, for baked paint finishes
- Date test panels and/or material sample were prepared
- Name of the facility that the material is to be shipped to and the amount to be shipped

2.4.3 Evaluation of Material

After evaluating the material and the batch panels, the Digital Materials Research Lab shall notify the supplier of the acceptance or rejection of the batch (lot).

2.5 PREPARATION FOR SHIPMENT—LIQUID/DECORATIVE PAINTS ONLY

2.5.1 Marking

Each container of the material shipment shall be identified and marked with the following information and shall comply with any local, state, and federal regulations governing transportation.

- Name of manufacturer
- Type of material
- Color name
- Digital color number
- Manufacturer's code number
- Purchase order number
- Batch (lot) number

2.5.2 Preservation and Packing

The material shall be preserved and packed in accordance with the best commercial practices and U.S. Department of Transportation regulations.

APPENDIX A

REFERENCED DOCUMENTS

A.1 EL-Class Digital Documents

EL-Class Number	Document Title
EL-00092-03	*DEC STD 092-3 Finish and Color Standard – Finish Material Test Requirements*

Copies of Digital EL-Class documents may be obtained from Standards and Methods Control, $VTX SMC, JOKUR::SMC, DTN: 287-3724, or NRO4/D4.

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